FORM PTO-1449

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1744.0450002	09/525,185
INVENTORS	
SORRELLS *et al.*	
FILING DATE	ART UNIT
March 14, 2000	2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
CO	AA56	5,955,992	09/1999	Shattil			
	AB56	5,999,561	12/1999	Naden *et al.*			
	AC56	6,686,879 B2	02/2004	Shattil			
	AD56	5,345,239	09/1994	Madni *et al.*			
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN		
	AO		
	AP		
	AQ		
	AR		

EXAMINER	DATE CONSIDERED
Curtis Odom	11/10/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
CO	AH55	6,608,647 B1	08/2003	King	—	—	
CO	AI55	6,031,217	02/2000	Aswell *et al.*	—	—	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL23	DE 196 48 915.A1	06/1998	DE	—	—	Yes (Doc. AO59)
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CO	AN	59	Simoni, A. *et al.*, "A Single-Chip Optical Sensor with Analog Memory for Motion Detection," *IEEE Journal of Solid-State Circtuits*, IEEE, Vol. 30, No. 7, pp. 800-806 (July 1995).
CO	AO	59	English Translation of German Patent Publication No. DE 196 48 915 A1, 10 pages.
	AP		
	AQ		
	AR		

EXAMINER	DATE CONSIDERED
Curtis Odom	11/10/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Spread Spectrum Applications of Universal Frequency Translation

Application Number: 09/525185
Confirmation Number: 8068
First Named Applicant: David SORRELLS
Attorney Docket Number: 1744.0450002
Art Unit: 2634
Examiner: Curtis B. Odom
Search string: (5682099 or 6094084 or 6067329 or 6516185 or 6687493 or 6694128 or 6704549 or 6704558 or 5490176 or 5970053 or 6078630 or 6600911 or 5179731 or 5589793 or 4510467 or 4772853 or 4972436 or 5012245 or 5422909 or 5440311 or 5926513 or 5995030 or 6047026 or 6049573 or 6076015 or 6144331 or 6018553 or 6317589 or 5058107 or 5757858 or 6531979 or 6018262 or 4761798 or 6151354 or 6169733 or 6363262 or 6697603 or 5282222 or 5949827 or 6014176 or 5678226 or 5760632 or 6160280 or 5481570 or 5745846 or 4132952 or 5260973 or 6307894 or 6091289 or 6437639 or 20020037706).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5682099	1997-10-28	Thompson et al.			
	2	6094084	2000-07-25	Abou-Allam et al.			
	3	6067329	2000-05-23	Kato et al.			
	4	6516185	2003-02-04	MacNally	B1		
	5	6687493	2004-02-03	Sorrells et al.	B1		
	6	6694128	2004-02-17	Sorrells et al.	B1		
	7	6704549	2004-03-09	Sorrells et al.	B1		
	8	6704558	2004-03-09	Sorrells et al.	B1		
	9	5490176	1996-02-06	Peltier			
	10	5970053	1999-10-19	Schick et al.			
	11	6078630	2000-06-20	Prasanna			
	12	6600911	2003-07-29	Morishige et al.	B1		
	13	5179731	1993-01-12	Trankle et al.			

	14	5589793	1996-12-31	Kassapian	
	15	4510467	1985-04-09	Chang et al.	
	16	4772853	1988-09-20	Hart	
	17	4972436	1990-11-20	Halim et al.	
	18	5012245	1991-04-30	Scott et al.	
	19	5422909	1995-06-06	Love et al.	
	20	5440311	1995-08-08	Gallagher et al.	
	21	5926513	1999-07-20	Suominen et al.	
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	23	6047026	2000-04-04	Chao et al.	
	24	6049573	2000-04-11	Song	
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	27	6018553	2000-01-25	Sanielevici et al.	
	28	6317589	2001-11-13	Nash	B1
	29	5058107	1991-10-15	Stone et al.	
	30	5757858	1998-05-26	Black et al.	
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	33	4761798	1988-08-02	Griswold, Jr. et al.	
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	35	6169733	2001-01-02	Lee	
	36	6363262	2002-03-26	McNicol	B1
	37	6697603	2004-02-24	Lovinggood et al.	B1
	38	5282222	1994-01-25	Fattouche et al.	
	39	5949827	1999-09-07	DeLuca et al.	
	40	6014176	2000-01-11	Nayebi et al.	
	41	5678226	1997-10-14	Li et al.	
	42	5760632	1998-06-02	Kawakami et al.	
	43	6160280	2000-12-12	Bonn et al.	
	44	5481570	1996-01-02	Winters	
	45	5745846	1998-04-28	Myer et al.	
	46	4132952	1979-01-02	Hongu et al.	
	47	5260973	1993-11-09	Watanabe	
	48	6307894	2001-10-23	Eidson et al.	B2
	49	6091289	2000-07-18	Song et al.	
	50	6437639	2002-08-20	Nguyen et al.	B1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020037706	2002-03-28	Ichihara	A1		

Remarks

Note: Remarks are not for responding to an office action.

Patent Cite nos. 1 and 2 were cited in an Office Action in related U.S. Patent Application No. 10/317,181, filed December 12, 2002, entitled "Differential Frequency Down-Conversion Using Techniques of Universal Frequency Translation Technology," directed to related subject matter. Patent Cite nos. 3, 4, 44, and 45 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed December 12, 2002, entitled "Method and Apparatus for Reducing DC Offsets in Communication Systems Using Universal Frequency Translation Technology," directed to related subject matter. Patent Cite nos. 5-8 are co-owned patents which are directed to related subject matter. Patent Cite nos. 5-8 and 33 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/838,387, filed April 20, 2001, entitled "Method and System for Down-Converting and Up-Converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter. Also cited in said Notice of Allowance were U.S. Patent Nos. 5,937,013, 6,061,551, and 6,647,250, which have already been cited in the present application. Patent Cite nos. 6, 7, 47 and 48 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/525,615, filed March 14, 2000, entitled "Method, System and Apparatus for Balanced Frequency Up-Conversion of a Baseband Signal and 4-Phase Receiver and Transceiver," directed to related subject matter. Also cited in said Notice of Allowance were U.S. Patent Nos. 6,091,940 and 6,370,371, which have already been cited in the present application. Patent Cite nos. 9-12 were cited in an Office Action in related U.S. Patent Application No. 09/567,978, filed May 10, 2000, entitled "Carrier and Clock Recovery Using Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,937,013, which has already been cited in the present application. Patent Cite nos. 13 and 14 were cited in a Notice of Allowance in related U.S. Patent Application No. 10/330,219, filed December 30, 2002, entitled "Methods and Systems for Down-Converting Electromagnetic Signals, and Applications Thereof," directed to related subject matter. Patent Cite nos. 15-26 were cited in an Office Action in related U.S. Patent Application No. 09/566,188, filed May 5, 2000, entitled "Integrated Frequency Translation and Selectivity with Gain Control Functionality, and Applications Thereof," directed to related subject matter. Patent Cite nos. 27 and 28 were cited in an Office Action in related U.S. Patent Application No. 09/632,856, filed August 4, 2000, entitled "Wireless Local Area Network (WLAN) Using Universal Frequency Translation Technology Including Multi-Phase Embodiments and Circuit Implementation," directed to related subject matter. Patent Cite nos. 29-31 were cited in an Office Action in related U.S. Patent Application No. 09/569,044, filed May 10, 2000, entitled "Universal Platform Module and Methods and Apparatuses Relating Thereto Enabled by Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S.

Patent Nos. 2,057,613; 2,241,078; 2,283,575; 2,358,152; 2,410,350; 2,451,430; 2,472,798; 4,653,117; and 5,241,561, which have already been cited in the present application. Patent Cite no. 32 was cited in an Office Action in related U.S. Patent Application No. 10/289,377, filed November 7, 2002, entitled "Method and Apparatus for Reducing DC Offsets in a Communication System," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,471,665; 5,793,817; and 5,898,912, which have already been cited in the present application. Patent Cite nos. 34-37 were cited in an Office Action in related U.S. Patent Application No. 09/569,045, filed May 10, 2000, entitled "Methods and Apparatuses Relating to a Universal Platform Module and Enabled by Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,339,459 and 5,557,641, which have already been cited in the present application. Patent Cite nos. 38-40 were cited in an Office Action in related U.S. Patent Application No. 09/590,955, filed June 9, 2000, entitled "Phase-Shifting Applications of Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,339,459, which has already been cited in the present application. Patent Cite nos. 41-43 were cited in an Office Action in related U.S. Patent Application No. 09/550,642, filed April 14, 2000, entitled "Method and System for Down converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter. Patent Cite no. 46 was cited in an Office Action in related U.S. Patent Application No. 09/476,093, filed January 3, 2000, entitled "Communication System Method with Multi-Mode and Multi-Band Functionality and Embodiments Thereof, Such as the Family Radio Service," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,937,013 and 5,790,587, which have already been cited in the present application. Patent Cite nos. 49 and 50, and Published Application cite no. 1 were cited in a Written Opinion in related PCT Application No. PCT/US03/16403, filed May 27, 2003, entitled "Method and Apparatus for DC Offset Removal in a Radio Frequency Communication Channel," directed to related subject matter.

Signature

Examiner Name	Date
Curtis Odom	11/10/04